RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/764,379_
Source: _1FWO_
Date Processed by STIC: _2/16/05_

ENTERED

RAW SEQUENCE LISTING   DATE: 02/16/2005
PATENT APPLICATION: US/10/764,379   TIME: 11:24:22

Input Set : A:\6356USC1 SEQUENCE LISTING.TXT
Output Set: N:\CRF4\02162005\J764379.raw

```
     4 <110> APPLICANT: Abbott Laboratories
     5        Henkin, Jack
     6        Haviv, Fortuna
     7        Bradley, Michael F.
     8        Kalvin, Douglas M.
     9        Schneider, Andrew J.
    11 <120> TITLE OF INVENTION: PEPTIDE ANTIANGIOGENIC DRUGS
    14 <130> FILE REFERENCE: 6356.US.C1
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/764,379
    17 <141> CURRENT FILING DATE: 2004-01-23
    19 <150> PRIOR APPLICATION NUMBER: US 09/447,226
    20 <151> PRIOR FILING DATE: 1999-11-22
    22 <150> PRIOR APPLICATION NUMBER: US 09/316,888
    23 <151> PRIOR FILING DATE: 1999-05-21
    25 <150> PRIOR APPLICATION NUMBER: US 60/126,546
    26 <151> PRIOR FILING DATE: 1999-03-26
    28 <150> PRIOR APPLICATION NUMBER: US 60/086,536
    29 <151> PRIOR FILING DATE: 1998-05-28
    31 <160> NUMBER OF SEQ ID NOS: 6
    33 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    35 <210> SEQ ID NO: 1
    36 <211> LENGTH: 10
    37 <212> TYPE: PRT
    38 <213> ORGANISM: Artificial Sequence
    40 <220> FEATURE:
    41 <223> OTHER INFORMATION: Antiangiogenetic Peptide
W--> 43 <221> NAME/KEY: VARIANT
    44 <222> LOCATION: (1)...(1)
    45 <223> OTHER INFORMATION: Xaa = Ala, Asn, Cit, Gln, Glu, NEtGly, Met,
    46        N-methylalanyl, Pro, pyro-Glu, Sar, Ser, or Thr at
    47        position 1
W--> 49 <221> VARIANT
    50 <222> LOCATION: (2)...(2)
    51 <223> OTHER INFORMATION: Xaa = Ala, Asn, Asp, Gln, Glu, Leu, Met, Phe, Pro,
    52        or Ser at position 2
W--> 54 <221> VARIANT
    55 <222> LOCATION: (3)...(3)
    56 <223> OTHER INFORMATION: Xaa = Ala, Asn, Cit, Cha, Chg, Gln, Glu, Gly, Ile,
    57        Leu, Met, Nva, Phe, Ser, tButylgly, Thr, Val, Pen,
    58        or Cys at position 3
W--> 60 <221> VARIANT
    61 <222> LOCATION: (4)...(4)
    62 <223> OTHER INFORMATION: Xaa = alloIle, Gly, Ile, Pro, or dehydroleu at
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      63        position 4
W--> 65 <221> VARIANT
      66 <222> LOCATION: (5)...(5)
      67 <223> OTHER INFORMATION: Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl,
      68        allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met,
      69        Nva, Octylgly, Orn, Phe(4-CH2OH), Pro, Ser, Thr,
      70        Trp, Tyr, Pen, or Cys at position 5
W--> 72 <221> VARIANT
      73 <222> LOCATION: (6)...(6)
      74 <223> OTHER INFORMATION: Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly,
      75        Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His,
      76        Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp),
      77        at position 6
W--> 79 <221> VARIANT
      80 <222> LOCATION: (6)...(6)
      81 <223> OTHER INFORMATION: 6 Cont'd:
      82        Xaa = Met(O2), Met(O), Met, Nor, Nva, Octygly,
      83        Phe, Phe(4-CONH2), Propargylgly, Ser, Thr, Trp,
      84        Tyr, Val, Pen, or Cys at position 6
W--> 86 <221> VARIANT
      87 <222> LOCATION: (7)...(7)
      88 <223> OTHER INFORMATION: Xaa = Ala, Allylgly, Asn, Cit, Chg, Gln, Gly,
      89        Hser, Ile, alloIle, Leu, Lys(Ac), Met, 1-Nal,
      90        2-Nal, Nva, Phe, Pro, Ser, tButylgly, Trp, Tyr,
      91        Val, Pen, or Cys at position 7
W--> 93 <221> VARIANT
      94 <222> LOCATION: (8)...(8)
      95 <223> OTHER INFORMATION: Xaa = Aminopyprimidinobutanoyl, Ala(3-guanidino),
      96        Ala(3-pyrrolidinylamidino), Ala[4-Pip(N-amidino)],
      97        Arg, arginyl(NGNG'diethyl), Cit, Cha(4-NIsp),
      98        Gly[4-pip(N-amido)], at position 8
W--> 100 <221> VARIANT
      101 <222> LOCATION: (8)...(8)
      102 <223> OTHER INFORMATION: 8 Cont'd:
      103        Xaa = His, Harg, Lys, Lys(Ile), Lys(Nic), Norarg,
      104        Orn(Isp), Orn(Nic), Orn(2-imidazo),
      105        Phe(4-CH2NHIsp), Phe(4-guanidino), or Phe(4-NIsp)
W--> 106        at position 8
W--> 108 <221> VARIANT
      109 <222> LOCATION: (9)...(9)
      110 <223> OTHER INFORMATION: Xaa = Abu, Aib, homoprolyl, hydroxyprolyl, Ile,
      111        Leu, Phe, Pro, Ser, tButylgly, Tic, Thr, or Val at
      112        position 9
W--> 114 <221> VARIANT
      115 <222> LOCATION: (10)...(10)
      116 <223> OTHER INFORMATION: Xaa = azaglycylamide, glycylamide,
      117        glycylethylamide, sarcosylamide, serylamide at
      118        position 10
W--> 120 <400> 1
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Input Set : **A:\6356USC1 SEQUENCE LISTING.TXT**
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W--> 121 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     122  1               5                   10
     125 <210> SEQ ID NO: 2
     126 <211> LENGTH: 9
     127 <212> TYPE: PRT
     128 <213> ORGANISM: Artificial Sequence
     130 <220> FEATURE:
     131 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 133 <221> NAME/KEY: VARIANT
     134 <222> LOCATION: (1)...(1)
     135 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 137 <221> VARIANT
     138 <222> LOCATION: (6)...(6)
     139 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 141 <400> 2
W--> 142 Xaa Gly Val Ile Thr Xaa Ile Arg Pro
     143  1               5
     146 <210> SEQ ID NO: 3
     147 <211> LENGTH: 9
     148 <212> TYPE: PRT
     149 <213> ORGANISM: Artificial Sequence
     151 <220> FEATURE:
     152 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 154 <221> NAME/KEY: VARIANT
     155 <222> LOCATION: (1)...(1)
     156 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 158 <221> VARIANT
     159 <222> LOCATION: (6)...(6)
     160 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 162 <400> 3
W--> 163 Xaa Gly Val Gly Thr Xaa Ile Arg Pro
     164  1               5
     167 <210> SEQ ID NO: 4
     168 <211> LENGTH: 9
     169 <212> TYPE: PRT
     170 <213> ORGANISM: Artificial Sequence
     172 <220> FEATURE:
     173 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 175 <221> NAME/KEY: VARIANT
     176 <222> LOCATION: (1)...(1)
     177 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 179 <221> VARIANT
     180 <222> LOCATION: (4)...(4)
     181 <223> OTHER INFORMATION: Xaa = allo-isoleucyl at position 4
W--> 183 <221> VARIANT
     184 <222> LOCATION: (6)...(6)
     185 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 187 <400> 4
W--> 188 Xaa Gly Val Xaa Thr Xaa Ile Arg Pro
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        189  1                5
        192  <210> SEQ ID NO: 5
        193  <211> LENGTH: 9
        194  <212> TYPE: PRT
        195  <213> ORGANISM: Artificial Sequence
        197  <220> FEATURE:
        198  <223> OTHER INFORMATION: Antiangiogenetic peptide
W-->    200  <221> NAME/KEY: VARIANT
        201  <222> LOCATION: (1)...(1)
        202  <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W-->    204  <221> VARIANT
        205  <222> LOCATION: (4)...(4)
        206  <223> OTHER INFORMATION: Xaa = dehydroleucyl at position 4
W-->    208  <221> VARIANT
        209  <222> LOCATION: (6)...(6)
        210  <223> OTHER INFORMATION: Xaa = norvaline at position 6
W-->    212  <400> 5
W-->    213  Xaa Gly Val Xaa Thr Xaa Ile Arg Pro
        214  1                5
        217  <210> SEQ ID NO: 6
        218  <211> LENGTH: 11
        219  <212> TYPE: PRT
        220  <213> ORGANISM: Artificial Sequence
        222  <220> FEATURE:
        223  <223> OTHER INFORMATION: Antiangiogenetic Peptide
W-->    225  <221> NAME/KEY: VARIANT
        226  <222> LOCATION: (1)...(1)
        227  <223> OTHER INFORMATION: Xaa = R-(CH2)n-C(O)- where R is N-acetylamino at
        228        position 1
W-->    230  <221> VARIANT
        231  <222> LOCATION: (2)...(2)
        232  <223> OTHER INFORMATION: Xaa = Sar at position 2
W-->    234  <221> VARIANT
        235  <222> LOCATION: (5)...(5)
        236  <223> OTHER INFORMATION: Xaa = AlloIle, dehydroleu, Gly, Ile or Pro at
        237        position 5
W-->    239  <221> VARIANT
        240  <222> LOCATION: (6)...(6)
        241  <223> OTHER INFORMATION: Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl,
        242        allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met,
        243        Nva, Octylgly, Orn, Phe(3-CH2OH), Pro, Ser, Thr,
        244        Trp, Tyr, Pen or Cys at position 6
W-->    246  <221> VARIANT
        247  <222> LOCATION: (7)...(7)
        248  <223> OTHER INFORMATION: Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly,
        249        Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His,
        250        Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp),
        251        at position 7
W-->    253  <221> VARIANT
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    254 <222> LOCATION:  (7)...(7)
    255 <223> OTHER INFORMATION: 7 Con'td:
    256        Xaa = Met(O2), Met(O), Met, Nor, Nva, Octygly,
    257        Phe, Phe(4-CONH2), Proparglygly, Ser, Thr, Trp,
    258        Tyr, Val, Pen, or Cys at position 7
W-->260 <221> VARIANT
    261 <222> LOCATION:  (11)...(11)
    262 <223> OTHER INFORMATION: Xaa = Azaglycylamide, glycylamide,
    263        glycylethylamide, sarcosylamide, serylamide at
    264        position 11
W-->266 <400> 6
W-->267 Xaa Xaa Gly Val Xaa Xaa Xaa Ile Arg Pro Xaa
    268 1             5               10
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/16/2005
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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10
Seq#:2; Xaa Pos. 1,6
Seq#:3; Xaa Pos. 1,6
Seq#:4; Xaa Pos. 1,4,6
Seq#:5; Xaa Pos. 1,4,6
Seq#:6; Xaa Pos. 1,2,5,6,7,11

VERIFICATION SUMMARY   DATE: 02/16/2005
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L:16 M:270 C: Current Application Number differs, Replaced Current Application Number
L:43 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:49 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:86 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:93 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:100 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:106 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:108 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:133 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:137 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:141 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:154 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:158 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:162 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:175 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:179 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:200 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:212 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:225 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:234 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:239 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:253 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:266 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
```